



Please type a plus sign inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

PTO/SB/21 (03-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/701,990
	Filing Date	Novmeber 4, 2003
	First Named Inventor	Marc K. HELLERSTEIN
	Group Art Unit	1645
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	5*	Attorney Docket Number 416272005200

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement- 3 pgs <input checked="" type="checkbox"/> PTO/SB/08a/b: 1 pg (Attached: 2 ISR's; 7 refs) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) *DOES NOT INCLUDE PAGE COUNT OF REFERENCES ATTACHED RETURN RECEIPT POSTCARD
Remarks		

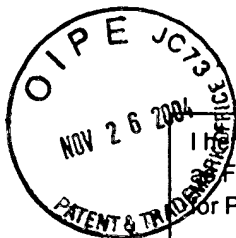
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	MORRISON & FOERSTER LLP Michael R. Ward (Reg. No. 38,651)	CUSTOMER NO. 20872
Signature		
Date	November 9, 2004	

"CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage addressed to: **MAIL STOP: AMENDMENT, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450** on **November 19, 2004**.

LILIA OLSEN



I hereby certify that this correspondence is being deposited with the U.S. Postal Service
FIRST CLASS MAIL, in an envelope addressed to: **MS Amendment**, Commissioner
for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 11/19/04

Signature: [Signature]

LILIA OLSEN

PATENT
cket No. 416272005200

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Design Application of:
Marc K. HELLERSTEIN

Serial No.: 10/701,990

Filing Date: November 4, 2003

For: DEUTERATED GLUCOSE OR FAT
TOLERANCE TESTS FOR HIGH-
THROUGHPUT MEASUREMENT OF
THE METABOLISM OF SUGARS OR
FATTY ACIDS IN THE BODY

Examiner: Not Yet Assigned

Group Art Unit: 1645

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the
above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of
foreign documents and non-patent literature are submitted herewith. The Examiner is requested to
make these documents of record.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ **Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.**
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

(iii) the information, protocols, results and the like reported by third parties are accurate or enabling;
or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petitions for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 416272005200. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 19, 2004

Respectfully submitted,

By Michael R. Ward

Michael R. Ward

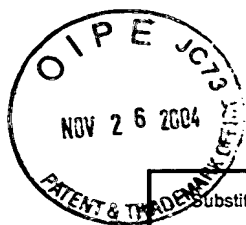
Registration No.: 38,651

MORRISON & FOERSTER LLP

425 Market Street

San Francisco, California 94105

(415) 268-6237



ALTERNATIVE TO PTO/SB/08a/b (08-03)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/701,990
				Filing Date	November 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	416272005200

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US-5,961,470	10/05/1999	Wagner et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	2.	International Search Report for PCT application PCT/US03/23340, filed July 25, 2003, mailed August 18, 2004: 4 pages.	
	3.	International Search Report for PCT application PCT/US03/29526, filed September 16, 2003, mailed August 18, 2004: 3 pages.	
	4.	BIER, D. M. (1997) "Stable isotopes in biosciences, their measurement and models for amino acid metabolism" Eur J Pediatr 156 [Supp. 1]: S2-S8.	
	5.	GYGI, Steven and Ruedi Aebersold (2000) "Using mass spectrometry for quantitative proteomics" <i>Proteomics: A Trends Guide</i> : 31-36.	
	6.	HANSEN, Andrew P. et al. (1992) "A Practical Method for Uniform Isotopic Labeling of Recombinant Proteins in Mammalian Cells" 31 (51): 12713-12718.	
	7.	ONG, Shao-En et al. (2002) "Stable Isotope Labeling by Amino Acids in Cell Culture, SILAC, as a Simple and Accurate Approach to Expression Proteomics" <i>Molecular and Cellular Proteomics</i> 1: 376-386.	
	8.	PAŠA-TOLIĆ, Ljiljana et al. (1999) "High Throughput Proteome-Wide Precision Measurements of Protein expression Using Mass Spectrometry" <i>J. Am. Chem. Soc.</i> 121: 7949-7950.	
	9.	SHEVCHENKO, Andrej et al. (1997) "Rapid 'de Novo' Peptide Sequencing by a Combination of Nanoelectrospray, Isotopic Labeling and a Quadrupole/Time-of-flight Mass Spectrometer" <i>Rapid Communications in Mass Spectrometry</i> 11: 1015-1024.	
	10.	VEENSTRA, Timothy D. et al. (2000) "Proteome Analysis Using Selective Incorporation of Isotopically Labeled Amino Acids" <i>J. Am. Soc. Mass. Spectrom.</i> 11: 78-82.	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

sf- 1820190